

# Louisiana eCrash

## Crash Report Format for ECrashLA.Console

When using the `ECrashLA.Console` application to validate or upload a crash report, the application expects to receive one of the following as an argument:

- The path to a folder
- The path to a JSON file
- The path to a ZIP file

### Folder

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When passing the path to a folder to `ECrashLA.Console`, the folder should contain the following files

- A `CrashReport.json` file
- Any attachment files referenced by the crash report data (with matching filenames). These can be stored in subfolders. We suggest the following structure:
  - An `Attachments` folder, containing:
    - Zero or more folders named with the hexadecimal SHA-1 hash of an attachment file, each containing:
      - An attachment file whose name matches an attachment listed in `CrashReport.json`

### CrashReport.json file

If you pass in the path to a folder, `ECrashLA.Console` will first look for a file in that folder named `CrashReport.json`. This should be a JSON file containing the crash report data following the schema defined in `CrashReportSchema.json`.

### Attachments

After reading the crash report data from the JSON file, `ECrashLA.Console` will recursively search the folder and any subfolders for the attachments listed in the crash report data.

We recommend that each attachment file should be placed in a subfolder of an `Attachments` subfolder whose name is the SHA-1 hash (in hexadecimal format) of the contents of the attachment file.

For example, a file named `Diagram00.svg` with SHA-1 hash

`074464CFC39354E0490713798F8A091922C456CA` would be at the location

`Attachments\074464CFC39354E0490713798F8A091922C456CA\Diagram00.svg`.

## JSON file

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When passing the path to a JSON file to `ECrashLA.Console`, it will read the crash report data from that file as described above for the folder method. It will then search for attachments the folder that contains the JSON file as described above for the folder method.

Passing the path to the `CrashReport.json` file in a folder should behave the same as passing the path to the folder. It is only necessary to specify the path to the JSON file if the filename is something other than `CrashReport.json`.

## ZIP format

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If a path to a file is passed to `ECrashLA.Console` and the file extension is not `.json`, then the file is treated as a ZIP file. The ZIP file should have contents and structure identical to the folder method described above. That is, the ZIP file should contain:

- A `CrashReport.json` file
- Any attachment files referenced by the crash report data (with matching filenames). These can be stored in subfolders. We suggest the following structure:
  - An `Attachments` folder, containing:
    - Zero or more folders named with the hexadecimal SHA-1 hash of an attachment file, each containing:
      - An attachment file whose name matches an attachment listed in `CrashReport.json`

The contents of the ZIP file will be processed in the same way as described above for the folder method.